

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 20:59:42 ; Search time 22.6667 Seconds

(Without alignments)
440.228 Million cell updates/sec

Title: US-10-791-619-8

Perfect score: 596
Sequence: 1 DIQLQSPSSLSASVDRVT.....SHEDPTFGQTKVEIKRTV 114Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summariesDatabase : Issued Patents AA: *
1: /EMC_Celerra_SIDS3/Pctodata/2/1aa/5_COMB.pep: *
2: /EMC_Celerra_SIDS3/Pctodata/2/1aa/6_COMB.pep: *
3: /EMC_Celerra_SIDS3/Pctodata/2/1aa/7_COMB.pep: *
4: /EMC_Celerra_SIDS3/Pctodata/2/1aa/H_COMB.pep: *
5: /EMC_Celerra_SIDS3/Pctodata/2/1aa/PCITUS_COMB.pep: *
6: /EMC_Celerra_SIDS3/Pctodata/2/1aa/RE_COMB.pep: *
7: /EMC_Celerra_SIDS3/Pctodata/2/1aa/backfill1est.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	596	100.0	114	2	US-09-109-207C-8
2	596	100.0	114	2	US-09-296-005-8
3	596	100.0	114	2	US-09-920-171-8
4	596	100.0	114	2	US-09-716-028-8
5	596	100.0	114	2	US-10-113-996-8
6	596	100.0	218	1	US-08-887-352B-15
7	596	100.0	218	1	US-08-887-352B-17
8	596	100.0	218	1	US-08-887-352B-19
9	596	100.0	218	1	US-08-887-352B-24
10	596	100.0	218	1	US-09-109-207C-15
11	596	100.0	218	2	US-09-109-207C-17
12	596	100.0	218	2	US-09-109-207C-19
13	596	100.0	218	2	US-09-109-207C-24
14	596	100.0	218	2	US-09-296-005-15
15	596	100.0	218	2	US-09-296-005-17
16	596	100.0	218	2	US-09-296-005-19
17	596	100.0	218	2	US-09-296-005-24
18	596	100.0	218	2	US-09-920-171-15
19	596	100.0	218	2	US-09-920-171-17
20	596	100.0	218	2	US-09-920-171-19
21	596	100.0	218	2	US-09-920-171-24
22	596	100.0	218	2	US-09-716-028-15
23	596	100.0	218	2	US-09-716-028-17
24	596	100.0	218	2	US-09-716-028-19
25	596	100.0	218	2	US-09-716-028-24
26	596	100.0	218	2	US-10-113-996-15

27	596	100.0	218	2	US-10-113-996-17	Sequence 17, Appl
28	596	100.0	218	2	US-10-113-996-19	Sequence 19, Appl
29	596	100.0	218	2	US-10-113-996-24	Sequence 24, Appl
30	596	100.0	218	1	US-08-887-352B-8	Sequence 8, Appl
31	594	99.7	218	2	US-09-282-505-1	Sequence 1, Appl
32	594	99.7	218	2	US-09-054-255-1	Sequence 1, Appl
33	594	99.7	218	2	US-09-282-846-1	Sequence 1, Appl
34	594	99.7	218	2	US-09-680-145-1	Sequence 1, Appl
35	594	99.7	218	2	US-09-483-588-1	Sequence 1, Appl
36	587	98.5	248	1	US-08-887-352B-22	Sequence 22, Appl
37	587	98.5	248	1	US-08-887-352B-23	Sequence 23, Appl
38	587	98.5	248	2	US-09-109-207C-22	Sequence 22, Appl
39	587	98.5	248	2	US-09-109-207C-23	Sequence 23, Appl
40	587	98.5	248	2	US-09-296-005-22	Sequence 22, Appl
41	587	98.5	248	2	US-09-296-005-23	Sequence 23, Appl
42	587	98.5	248	2	US-09-920-171-22	Sequence 22, Appl
43	587	98.5	248	2	US-09-920-171-23	Sequence 23, Appl
44	587	98.5	248	2	US-09-716-028-22	Sequence 22, Appl
45	587	98.5	248	2	US-09-716-028-23	Sequence 23, Appl

ALIGNMENTS

```
RESULT 1
US-09-109-207C-8
; Sequence 8, Application US/09109207C
; Patent No. 6172213
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P11231x1
; CURRENT APPLICATION NUMBER: US/09/109,207C
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 8
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Light chain sequence derived from MAE11
; US-09-109-207C-8

Query Match      100.0%; Score 596; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e-49;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 DIQLTQSPSSLSASVDRVTITCRASKPVDSGLYLNWYQKPKAKPLIYAASYLES 60
Db      1 DIQLQSPSSLSASVDRVTITCRASKPVDSGLYLNWYQKPKAKPLIYAASYLES 60
        |||
QY      61 GVPSPFGSGSGSTDTTLTISLQPEDFATYYCOQSHEDPTFGQTKVEIKRTV 114
Db      61 GVPSPFGSGSGSTDTTLTISLQPEDFATYYCOQSHEDPTFGQTKVEIKRTV 114
        |||

RESULT 2
US-09-296-005-8
; Sequence 8, Application US/09296005
; Patent No. 6290957
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P11231x1r
; CURRENT APPLICATION NUMBER: US/09/296,005
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 26
```

```
; SEQ ID NO 8
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Light chain sequence derived from MAb11
US-09-296-005-8
```

```
Query Match          100.0%; Score 596; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e-49;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
   |||
Db 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
```

```
RESULT 3
US-09-920-171-8
; Sequence 8, Application US/09920171
; Patent No. 6682735
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
; FILE REFERENCE: P1123C2US
; CURRENT APPLICATION NUMBER: US/09/920,171
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 8
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Light chain sequence derived from MAb11
US-09-920-171-8
```

```
Query Match          100.0%; Score 596; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e-49;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
   |||
Db 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
```

```
RESULT 4
US-09-716-028-8
; Sequence 8, Application US/09716028
; Patent No. 6723833
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123RI
; CURRENT APPLICATION NUMBER: US/09/716,028
; CURRENT FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 09/109,207
```

```
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 8
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Light chain sequence derived from MAb11
US-09-716-028-8
```

```
Query Match          100.0%; Score 596; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e-49;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
   |||
Db 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
```

```
RESULT 5
US-10-113-996-8
; Sequence 8, Application US/10113996
; Patent No. 6761889
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies
; FILE REFERENCE: P1123C3US
; CURRENT APPLICATION NUMBER: US/10/113,996
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: US 09/920,171
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 8
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Light chain sequence derived from MAb11
US-10-113-996-8
```

```
Query Match          100.0%; Score 596; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.2e-49;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
   |||
Db 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGSDSYLNMWYQKPGKAPKLLIYAASYLES 60
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
61 GVPSRFGSGSGGTDFTLTITSSLPEDFATYYCQOSHEDPYTFGGQTKVEIKRTV 114
```

```
RESULT 6
US-08-887-352B-15
; Sequence 15, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
```

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 21:20:13 ; Search time 105.333 Seconds

(Without alignments)
501.327 Million cell updates/sec

Title: US-10-791-619-8

Perfect score: 596
Sequence: 1 DIQLQSPSSLSASVGDRTV.....SHEDPTFGGKVEIKRTV 114Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA Main:*

- 1: /EMC_Celerra_SIDS3/ptocdata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /EMC_Celerra_SIDS3/ptocdata/2/pubpaa/US08_PUBCOMB.pep:*
- 3: /EMC_Celerra_SIDS3/ptocdata/2/pubpaa/US09_PUBCOMB.pep:*
- 4: /EMC_Celerra_SIDS3/ptocdata/2/pubpaa/US10_PUBCOMB.pep:*
- 5: /EMC_Celerra_SIDS3/ptocdata/2/pubpaa/US10A_PUBCOMB.pep:*
- 6: /EMC_Celerra_SIDS3/ptocdata/2/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	596	100.0	114	3	US-09-920-171-8	Sequence 8, Appl1
2	596	100.0	114	4	US-10-113-996-8	Sequence 8, Appl1
3	596	100.0	114	5	US-10-791-619-8	Sequence 8, Appl1
4	596	100.0	218	3	US-09-920-171-15	Sequence 15, Appl1
5	596	100.0	218	3	US-09-920-171-17	Sequence 17, Appl1
6	596	100.0	218	3	US-09-920-171-19	Sequence 19, Appl1
7	596	100.0	218	4	US-09-920-171-24	Sequence 24, Appl1
8	596	100.0	218	4	US-10-113-996-15	Sequence 15, Appl1
9	596	100.0	218	4	US-10-113-996-17	Sequence 17, Appl1
10	596	100.0	218	4	US-10-113-996-19	Sequence 19, Appl1
11	596	100.0	218	4	US-10-113-996-24	Sequence 24, Appl1
12	596	100.0	218	4	US-10-813-483-2	Sequence 2, Appl1
13	596	100.0	218	5	US-10-791-619-15	Sequence 15, Appl1
14	596	100.0	218	5	US-10-791-619-17	Sequence 17, Appl1
15	596	100.0	218	5	US-10-791-619-19	Sequence 19, Appl1
16	596	100.0	218	5	US-10-791-619-24	Sequence 24, Appl1
17	596	100.0	218	5	US-10-714-000-1	Sequence 1, Appl1
18	596	100.0	218	5	US-10-698-073-12	Sequence 12, Appl1
19	596	100.0	218	5	US-10-698-073-17	Sequence 17, Appl1
20	596	100.0	218	5	US-10-923-327-12	Sequence 12, Appl1
21	596	100.0	218	6	US-10-923-327-17	Sequence 17, Appl1
22	596	100.0	218	6	US-11-013-966-2	Sequence 2, Appl1
23	596	100.0	218	6	US-11-208-422-17	Sequence 17, Appl1
24	596	100.0	218	6	US-11-208-422-18	Sequence 18, Appl1
25	594	99.7	114	5	US-10-698-073-1	Sequence 1, Appl1
26	594	99.7	114	5	US-10-923-327-1	Sequence 1, Appl1
27	594	99.7	218	3	US-09-792-938-1	Sequence 1, Appl1

28	594	99.7	218	4	US-10-292-869-1	Sequence 1, Appl1
29	594	99.7	218	4	US-10-835-642-1	Sequence 1, Appl1
30	594	99.7	218	5	US-10-757-863-1	Sequence 1, Appl1
31	594	99.7	218	5	US-10-698-073-8	Sequence 8, Appl1
32	594	99.7	218	5	US-10-698-073-10	Sequence 10, Appl1
33	594	99.7	218	5	US-10-982-470-1	Sequence 1, Appl1
34	594	99.7	218	5	US-10-923-327-8	Sequence 8, Appl1
35	594	99.7	218	5	US-10-923-327-10	Sequence 10, Appl1
36	594	99.7	218	6	US-11-158-839-1	Sequence 1, Appl1
37	587	98.5	248	3	US-09-920-171-22	Sequence 22, Appl1
38	587	98.5	248	3	US-09-920-171-23	Sequence 23, Appl1
39	587	98.5	248	4	US-10-113-996-22	Sequence 22, Appl1
40	587	98.5	248	4	US-10-113-996-23	Sequence 23, Appl1
41	587	98.5	248	5	US-10-791-619-22	Sequence 22, Appl1
42	587	98.5	248	5	US-10-791-619-23	Sequence 23, Appl1
43	587	98.5	248	5	US-10-698-073-15	Sequence 15, Appl1
44	587	98.5	248	5	US-10-698-073-16	Sequence 16, Appl1
45	587	98.5	248	5	US-10-923-327-15	Sequence 15, Appl1

ALIGNMENTS

```
RESULT 1
US-09-920-171-8
; Sequence 8, Application US/09920171
; Patent No. US20020054878A1
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IGE Antibodies (as amended)
; FILE REFERENCE: P1123C2US
; CURRENT APPLICATION NUMBER: US/09/920,171
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 8
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-920-171-8

Query Match      100.0%; Score 596, DB 3; Length 114;
Best Local Similarity 100.0%; Pred. No. 3e-42;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DIQLQSPSSLSASVGDRTVITCRASKPYDGGSDYLMWYQKPGKAPLTLTYASTYES 60
DB 1 DIQLQSPSSLSASVGDRTVITCRASKPYDGGSDYLMWYQKPGKAPLTLTYASTYES 60
QY 61 GVPSSRRSGSGSTDFLTITSSIQPEDFATYTCQSHEDPTFGGKVEIKRTV 114
DB 61 GVPSSRRSGSGSTDFLTITSSIQPEDFATYTCQSHEDPTFGGKVEIKRTV 114

RESULT 2
US-10-113-996-8
; Sequence 8, Application US/10113996
; Patent No. US20030149244A1
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IGE Antibodies
; FILE REFERENCE: P1123C3US
```

;; CURRENT APPLICATION NUMBER: US/10/113,996
;; CURRENT FILING DATE: 2002-04-01
;; PRIOR APPLICATION NUMBER: US 08/887,352
;; PRIOR FILING DATE: 1997-07-02
;; PRIOR APPLICATION NUMBER: US 09/296,005
;; PRIOR FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: US 09/920,171
;; PRIOR FILING DATE: 2001-08-01
;; NUMBER OF SEQ ID NOS: 44
;; SEQ ID NO 8
;; LENGTH: 114
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Light chain sequence derived from MAE11
US-10-113-996-8

Query Match 100.0%; Score 596; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 3e-42;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
QY 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114
DB 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114

RESULT 3
US-10-791-619-8
;; Sequence 8, Application US/10791619
;; Publication No. US20040239077A1
;; GENERAL INFORMATION:
;; APPLICANT: Henry B. Lowman, Leonard G. Prestea, Paula M. Jardieu, John Lowe
;; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
;; FILE REFERENCE: P1123R1
;; CURRENT APPLICATION NUMBER: US/10/791,619
;; CURRENT FILING DATE: 2004-03-02
;; PRIOR APPLICATION NUMBER: US/09/109,207
;; PRIOR FILING DATE: 1998-06-30
;; PRIOR APPLICATION NUMBER: US 60/051,554
;; PRIOR FILING DATE: 1997-07-03
;; NUMBER OF SEQ ID NOS: 44
;; SEQ ID NO 8
;; LENGTH: 114
;; TYPE: PRT
;; ORGANISM: Artificial
;; FEATURE:
;; NAME/KEY: Artificial
;; LOCATION: 1-114
;; OTHER INFORMATION: Light chain sequence derived from MAE11
US-10-791-619-8

Query Match 100.0%; Score 596; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 3e-42;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
QY 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114
DB 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114

RESULT 4
US-09-920-171-15
;; Sequence 15, Application US/09920171
;; Patent No. US20020054878A1
;; GENERAL INFORMATION:

;; APPLICANT: Lowman, Henry B.
;; APPLICANT: Prestea, Leonard G.
;; APPLICANT: Jardieu, Paula M.
;; APPLICANT: Lowe, John
;; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
;; FILE REFERENCE: P1123C2US
;; CURRENT APPLICATION NUMBER: US/09/920,171
;; CURRENT FILING DATE: 2001-08-01
;; PRIOR APPLICATION NUMBER: US 08/887,352
;; PRIOR FILING DATE: 1997-07-02
;; PRIOR APPLICATION NUMBER: US 09/296,005
;; PRIOR FILING DATE: 1999-04-21
;; NUMBER OF SEQ ID NOS: 44
;; SEQ ID NO 15
;; LENGTH: 218
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-920-171-15

Query Match 100.0%; Score 596; DB 3; Length 218;
Best Local Similarity 100.0%; Pred. No. 5.7e-42;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
QY 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114
DB 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114

RESULT 5
US-09-920-171-17
;; Sequence 17, Application US/09920171
;; Patent No. US20020054878A1
;; GENERAL INFORMATION:
;; APPLICANT: Lowman, Henry B.
;; APPLICANT: Prestea, Leonard G.
;; APPLICANT: Jardieu, Paula M.
;; APPLICANT: Lowe, John
;; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
;; FILE REFERENCE: P1123C2US
;; CURRENT APPLICATION NUMBER: US/09/920,171
;; CURRENT FILING DATE: 2001-08-01
;; PRIOR APPLICATION NUMBER: US 08/887,352
;; PRIOR FILING DATE: 1997-07-02
;; PRIOR APPLICATION NUMBER: US 09/296,005
;; PRIOR FILING DATE: 1999-04-21
;; NUMBER OF SEQ ID NOS: 44
;; SEQ ID NO 17
;; LENGTH: 218
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Light chain sequence derived from MAE11
US-09-920-171-17

Query Match 100.0%; Score 596; DB 3; Length 218;
Best Local Similarity 100.0%; Pred. No. 5.7e-42;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
DB 1 DIQLTQSPSSLSASVGDRTVITTCRASKPVDEGDSYLMWYQKPGKAPKLLIYAASYLE 60
QY 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114
DB 61 GVPSSRSGSGSGTDFLTITSSLOPEDPATYTCQOSHEDPYTFCGKTKEIKRTV 114

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 21:20:48 ; Search time 10.333 Seconds
(without alignments)
296.018 Million cell updates/sec

Title: US-10-791-619-8

Perfect score: 596
Sequence: 1 DIQLTQSPSSLSASVGDRTV.....SHEDPYTFGQGTKEIKRTV 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 112942 seqs, 26832045 residues

Total number of hits satisfying chosen parameters: 112942

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Published Applications AA New:*
1: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US09_NEW_PUB pep.*
2: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US06_NEW_PUB pep.*
3: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US07_NEW_PUB pep.*
4: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US08_NEW_PUB pep.*
5: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/BCT_NEW_PUB pep.*
6: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US10_NEW_PUB pep.*
7: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US11_NEW_PUB pep.*
8: /EMC_Celerra_SIDS3/Ptodata/1/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	596	100.0	218	7	US-11-254-182-38	Sequence 38, Appl
2	596	100.0	218	7	US-11-254-182-39	Sequence 39, Appl
3	570	95.6	218	7	US-11-254-182-37	Sequence 37, Appl
4	500	83.9	214	7	US-11-337-300-129	Sequence 129, Appl
5	487	81.7	109	7	US-11-254-679-9	Sequence 9, Appl
6	487	81.7	214	7	US-11-219-121-27	Sequence 27, Appl
7	486	81.5	247	7	US-11-337-300-96	Sequence 96, Appl
8	486	81.5	249	7	US-11-337-300-67	Sequence 67, Appl
9	486	81.5	249	7	US-11-337-300-69	Sequence 69, Appl
10	484	81.2	245	6	US-10-539-402-16	Sequence 16, Appl
11	480	80.5	106	7	US-11-337-300-41	Sequence 41, Appl
12	480	80.5	108	7	US-11-023-959A-93	Sequence 93, Appl
13	480	80.5	114	7	US-11-023-959A-3	Sequence 3, Appl
14	480	80.5	243	7	US-11-337-300-47	Sequence 47, Appl
15	480	80.5	245	7	US-11-337-300-51	Sequence 51, Appl
16	480	80.5	245	7	US-11-337-300-53	Sequence 53, Appl
17	480	80.5	245	7	US-11-337-300-59	Sequence 59, Appl
18	480	80.5	247	7	US-11-337-300-63	Sequence 63, Appl
19	480	80.5	247	7	US-11-337-300-57	Sequence 57, Appl
20	480	80.5	248	7	US-11-337-300-61	Sequence 61, Appl
21	480	80.5	249	7	US-11-337-300-49	Sequence 49, Appl
22	480	80.5	249	7	US-11-337-300-90	Sequence 90, Appl
23	480	80.5	249	7	US-11-337-300-92	Sequence 92, Appl
24	478	80.2	108	7	US-11-254-182-27	Sequence 27, Appl
25	478	80.2	108	7	US-11-219-121-23	Sequence 23, Appl

26	478	80.2	108	7	US-11-106-762-19	Sequence 19, Appl
27	478	80.2	108	7	US-11-238-281-3	Sequence 3, Appl
28	478	80.2	108	7	US-11-196-917A-11	Sequence 11, Appl
29	476.5	79.9	106	6	US-10-983-104-6	Sequence 6, Appl
30	476	79.9	234	7	US-11-219-121-29	Sequence 29, Appl
31	475	79.7	214	7	US-11-211-917-24	Sequence 24, Appl
32	473	79.4	107	7	US-11-254-182-5	Sequence 5, Appl
33	473	79.4	107	7	US-11-295-229-5	Sequence 5, Appl
34	472	79.2	291	7	US-11-154-103-10	Sequence 10, Appl
35	470	78.9	109	7	US-11-094-132-75	Sequence 75, Appl
36	469.5	78.8	105	6	US-10-981-300-24	Sequence 24, Appl
37	469.5	78.8	107	7	US-11-023-959A-132	Sequence 132, Appl
38	468	78.5	109	7	US-11-254-679-70	Sequence 70, Appl
39	468	78.5	214	6	US-10-981-300-18	Sequence 18, Appl
40	468	78.5	233	7	US-11-295-006-17	Sequence 17, Appl
41	467.5	78.4	107	7	US-11-023-959A-123	Sequence 123, Appl
42	467.5	78.4	213	7	US-11-254-182-64	Sequence 64, Appl
43	467.5	78.4	213	7	US-11-106-762-33	Sequence 33, Appl
44	467.5	78.4	213	7	US-11-106-762-35	Sequence 35, Appl
45	467.5	78.4	213	7	US-11-106-762-38	Sequence 38, Appl

ALIGNMENTS

```
RESULT 1
US-11-254-182-38
; Sequence 38, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 38
; LENGTH: 218
; TYPE: PRT
; ORGANSIM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-38

Query Match      100.0%; Score 596; DB 7; Length 218;
Best Local Similarity 100.0%; Pred. No. 1.5e-47;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 DIQLTQSPSSLSASVGDRTVTCRASKPYDGBGSDYLMWYQKPKAPKLTLYAASYLES 60
      |||
Db       1 DIQLTQSPSSLSASVGDRTVTCRASKPYDGBGSDYLMWYQKPKAPKLTLYAASYLES 60
      |||
QY      61 GVPSPFSGSGSTDTLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
      |||
Db       61 GVPSPFSGSGSTDTLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
      |||

RESULT 2
US-11-254-182-39
; Sequence 39, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
```

```

; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 39
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-39
```

Query Match 100.0%; Score 596; DB 7; Length 218;

Best Local Similarity 100.0%; Pred. No. 1.5e-47; Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
Qy 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
Db 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
```

```
Qy 61 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
Db 61 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
```

RESULT 3

```
US-11-254-182-37
; Sequence 37, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GHEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 37
; LENGTH: 218
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-37
```

Query Match 95.6%; Score 570; DB 7; Length 218;

Best Local Similarity 95.6%; Pred. No. 3.5e-45; Matches 109; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

```
Qy 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
Db 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
```

```
Qy 61 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
Db 61 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
```

RESULT 4

```
US-11-337-300-129
; Sequence 129, Application US/11337300
; Publication No. US20060121580A1
; GENERAL INFORMATION:
; APPLICANT: Crucell Holland B.V.
; APPLICANT: ter Meulen, Jan H.
; APPLICANT: De Krulif, Cornelis A.
; APPLICANT: van den Brink, Edward N.
; APPLICANT: Goudemilt, Jaap
```

; TITLE OF INVENTION: Binding molecules against SARS-coronavirus and uses thereof

; FILE REFERENCE: 0091 NO 00 ORD

; CURRENT APPLICATION NUMBER: US/11/337,300

; CURRENT FILING DATE: 2006-01-20

; NUMBER OF SEQ ID NOS: 478

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 129

; LENGTH: 214

; TYPE: PRT

; ORGANISM: Artificial sequence

; FEATURE:

; OTHER INFORMATION: 19g light chain of 03-001, 03-002, 03-009, 03-013, 03-014 and 03-

US-11-337-300-129

Query Match 83.9%; Score 500; DB 7; Length 214;

Best Local Similarity 86.8%; Pred. No. 8.1e-39; Matches 99; Conservative 5; Mismatches 6; Indels 4; Gaps 1;

```
Qy 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
Db 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
```

```
Qy 61 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 114
Db 57 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 110
```

RESULT 5

```
US-11-254-679-9
; Sequence 9, Application US/11254679
; Publication No. US20060099207A1
; GENERAL INFORMATION:
; APPLICANT: Wu, Herren
; APPLICANT: Allan, Christian
; APPLICANT: Gao, Changshou
; APPLICANT: An, Ling-ling
; APPLICANT: Kiener, Peter
; APPLICANT: Mao, Su-Yau
; APPLICANT: Coyle, Anthony
; TITLE OF INVENTION: High Affinity Antibodies Against HMGBl and Method of Use Thereof
; FILE REFERENCE: HB601US
; CURRENT APPLICATION NUMBER: US/11/254,679
; CURRENT FILING DATE: 2005-10-21
; PRIOR APPLICATION NUMBER: 60/620,726
; PRIOR FILING DATE: 2004-10-22
; PRIOR APPLICATION NUMBER: 60/651,512
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/658,572
; PRIOR FILING DATE: 2005-03-07
; PRIOR APPLICATION NUMBER: 60/662,944
; PRIOR FILING DATE: 2005-03-18
; PRIOR APPLICATION NUMBER: 60/713,712
; PRIOR FILING DATE: 2005-09-09
; NUMBER OF SEQ ID NOS: 103
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 9
; LENGTH: 109
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-254-679-9
```

Query Match 81.7%; Score 487; DB 7; Length 109;

Best Local Similarity 86.5%; Pred. No. 6.1e-38; Matches 96; Conservative 5; Mismatches 6; Indels 4; Gaps 1;

```
Qy 1 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 60
Db 3 DIQLTQSPSSLSASVGDRTVITCRASKPYDGEBSYLNWYQKPGKAPKLLIYAASYLE 58
```

```
Qy 61 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 111
Db 59 GVPSRFSGSGSGTDFLTITSSIQPEDFATYYCQOSHEDPYTFGQGTKEIKRTV 109
```

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 20:59:42 ; Search time 22.6667 Seconds
(without alignments)
440.228 Million cell updates/sec

Title: US-10-791-619-11

Perfect score: 623
Sequence: 1 EVQLVESGGGLVQPGGSLRL...YCARGSHYFGHWHPAVWGCG 114

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /EMC Celerra_SIDS3/Ptodata/2/1aa/5-COMB.pep:*
2: /EMC Celerra_SIDS3/Ptodata/2/1aa/6-COMB.pep:*
3: /EMC Celerra_SIDS3/Ptodata/2/1aa/7-COMB.pep:*
4: /EMC Celerra_SIDS3/Ptodata/2/1aa/H-COMB.pep:*
5: /EMC Celerra_SIDS3/Ptodata/2/1aa/PCITUS-COMB.pep:*
6: /EMC Celerra_SIDS3/Ptodata/2/1aa/RE-COMB.pep:*
7: /EMC Celerra_SIDS3/Ptodata/2/1aa/backfilltest1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	623	100.0	114	1	US-08-887-352B-11
2	623	100.0	114	2	US-09-109-207C-11
3	623	100.0	114	2	US-09-296-005-11
4	623	100.0	114	2	US-09-920-171-11
5	623	100.0	114	2	US-09-716-028-11
6	623	100.0	114	2	US-10-113-996-11
7	623	100.0	114	2	US-08-887-352B-21
8	623	100.0	229	2	US-09-109-207C-21
9	623	100.0	229	2	US-09-296-005-21
10	623	100.0	229	2	US-09-920-171-21
11	623	100.0	229	2	US-09-716-028-21
12	623	100.0	229	2	US-10-113-996-21
13	623	100.0	233	1	US-08-887-352B-26
14	623	100.0	233	2	US-09-109-207C-26
15	623	100.0	233	2	US-09-296-005-26
16	623	100.0	233	2	US-09-920-171-26
17	623	100.0	233	2	US-09-716-028-26
18	623	100.0	233	2	US-10-113-996-26
19	623	100.0	248	1	US-08-887-352B-23
20	623	100.0	248	2	US-09-109-207C-23
21	623	100.0	248	2	US-09-296-005-23
22	623	100.0	248	2	US-09-920-171-23
23	623	100.0	248	2	US-09-716-028-23
24	623	100.0	248	2	US-10-113-996-23
25	623	100.0	451	1	US-08-887-352B-18
26	623	100.0	451	2	US-09-109-207C-18

27	623	100.0	451	2	US-09-282-505-2	Sequence 2, Appl1
28	623	100.0	451	2	US-09-054-253-2	Sequence 2, Appl1
29	623	100.0	451	2	US-09-296-005-18	Sequence 18, Appl1
30	623	100.0	451	2	US-09-282-846-2	Sequence 2, Appl1
31	623	100.0	451	2	US-09-680-145-2	Sequence 2, Appl1
32	623	100.0	451	2	US-09-920-171-18	Sequence 18, Appl1
33	623	100.0	451	2	US-09-716-028-18	Sequence 18, Appl1
34	623	100.0	451	2	US-09-483-588-2	Sequence 2, Appl1
35	623	100.0	451	2	US-10-113-996-18	Sequence 18, Appl1
36	603	96.8	114	1	US-08-887-352B-12	Sequence 12, Appl1
37	603	96.8	114	2	US-09-109-207C-12	Sequence 12, Appl1
38	603	96.8	114	2	US-09-296-005-12	Sequence 12, Appl1
39	603	96.8	114	2	US-09-920-171-12	Sequence 12, Appl1
40	603	96.8	114	2	US-09-716-028-12	Sequence 12, Appl1
41	603	96.8	114	2	US-10-113-996-12	Sequence 12, Appl1
42	603	96.8	229	1	US-08-887-352B-20	Sequence 20, Appl1
43	603	96.8	229	2	US-09-109-207C-20	Sequence 20, Appl1
44	603	96.8	229	2	US-09-296-005-20	Sequence 20, Appl1
45	603	96.8	229	2	US-09-920-171-20	Sequence 20, Appl1

ALIGNMENTS

RESULT 1
US-08-887-352B-11
; Sequence 11, Application US/08887352B
; Patent No. 5994511
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESSES:
; ADDRESS: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/887,352B
; FILING DATE: 03-Jul-1997
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Svoboda, Craig G.
; REGISTRATION NUMBER: 39,044
; REFERENCE/DOCKET NUMBER: P1123
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/425-1489
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 114 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-08-887-352B-11
Query Match 100.0%; Score 623; DB 1; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EVQLVESGGGLVQPGGSLRLCAVSGYSTSGYNNWIRQAGKGLERVASTKYSGETKY 60
DB 1 EVQLVESGGGLVQPGGSLRLCAVSGYSTSGYNNWIRQAGKGLERVASTKYSGETKY 60
QY 61 INSVAGRIITSDSKNFFYLQMSLRADETLVVYCARGSHYFGHWHPAVWGCG 114

Db 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114

RESULT 2
US-09-109-207C-11
; Sequence 11, Application US/09109207C
; Patent No. 6172213

; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/109,207C
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 11
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-109-207C-11

Query Match 100.0%; Score 623; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60

Qy 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114
Db 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114

RESULT 3
US-09-296-005-11
; Sequence 11, Application US/09296005
; Patent No. 6290957

; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123C1r
; CURRENT APPLICATION NUMBER: US/09/296,005
; CURRENT FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 08/887,352
; EARLIER FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 11
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-296-005-11

Query Match 100.0%; Score 623; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60

Qy 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114
Db 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114

RESULT 4
US-09-920-171-11
; Sequence 11, Application US/09920171
; Patent No. 6682735

; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
; FILE REFERENCE: P1123C2US
; CURRENT APPLICATION NUMBER: US/09/920,171
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 11
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-920-171-11

Query Match 100.0%; Score 623; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60

Qy 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114
Db 61 NPSVKGRITISRDDSKNTFYLMNSLRADDTAVYYCARSGSHYFGHMFPAVMGOG 114

RESULT 5
US-09-716-028-11
; Sequence 11, Application US/09716028
; Patent No. 6723833

; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/716,028
; CURRENT FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 09/109,207
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 11
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-716-028-11

Query Match 100.0%; Score 623; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 1.1e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVOLVESGGGLVPGGSLRLSCAVSIGSYTSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 21:20:13 ; Search time 105.333 Seconds

(Without alignments)
501.327 Million cell updates/sec

Title: US-10-791-619-11

Perfect score: 623
Sequence: 1 EVQVBSGGGLVQPGGSLRL.....YCARGSHYGRHMFVAVWGOG 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA Main:*

1: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US07_PUBCOMB.pep:.*
2: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US08_PUBCOMB.pep:.*
3: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US09_PUBCOMB.pep:.*
4: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10A_PUBCOMB.pep:.*
5: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US10B_PUBCOMB.pep:.*
6: /EMC_Celerra_SIDS3/ptodata/2/pubpaa/US11_PUBCOMB.pep:.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	623	100.0	114	3	US-09-920-171-11 Sequence 11, Appl
2	623	100.0	114	4	US-10-113-996-11 Sequence 11, Appl
3	623	100.0	114	5	US-10-791-619-11 Sequence 11, Appl
4	623	100.0	114	5	US-10-698-073-4 Sequence 4, Appl
5	623	100.0	114	5	US-10-923-327-4 Sequence 4, Appl
6	623	100.0	121	6	US-11-208-422-52 Sequence 52, Appl
7	623	100.0	229	3	US-09-920-171-21 Sequence 21, Appl
8	623	100.0	229	4	US-10-113-996-21 Sequence 21, Appl
9	623	100.0	229	5	US-10-791-619-21 Sequence 21, Appl
10	623	100.0	229	5	US-10-698-073-14 Sequence 14, Appl
11	623	100.0	229	5	US-10-923-327-14 Sequence 14, Appl
12	623	100.0	233	3	US-09-920-171-26 Sequence 26, Appl
13	623	100.0	233	4	US-10-113-996-26 Sequence 26, Appl
14	623	100.0	233	5	US-10-791-619-26 Sequence 26, Appl
15	623	100.0	233	5	US-10-698-073-19 Sequence 19, Appl
16	623	100.0	233	5	US-10-923-327-19 Sequence 19, Appl
17	623	100.0	248	4	US-09-920-171-23 Sequence 23, Appl
18	623	100.0	248	4	US-10-113-996-23 Sequence 23, Appl
19	623	100.0	248	5	US-10-791-619-23 Sequence 23, Appl
20	623	100.0	248	5	US-10-698-073-16 Sequence 16, Appl
21	623	100.0	450	5	US-10-698-073-11 Sequence 11, Appl
22	623	100.0	451	3	US-09-920-171-18 Sequence 18, Appl
23	623	100.0	451	3	US-09-792-938-2 Sequence 2, Appl
24	623	100.0	451	4	US-10-113-996-18 Sequence 18, Appl
25	623	100.0	451	4	US-10-292-869-2 Sequence 2, Appl
26	623	100.0	451	4	US-10-835-642-2 Sequence 2, Appl
27	623	100.0	451	5	US-10-757-863-2 Sequence 2, Appl

28	623	100.0	451	5	US-10-791-619-18 Sequence 18, Appl
29	623	100.0	451	5	US-10-982-470-2 Sequence 2, Appl
30	623	100.0	451	5	US-10-923-327-11 Sequence 11, Appl
31	623	100.0	451	6	US-11-158-839-2 Sequence 2, Appl
32	623	100.0	451	6	US-11-208-422-22 Sequence 22, Appl
33	623	100.0	451	6	US-10-923-327-16 Sequence 16, Appl
34	623	96.8	114	3	US-09-920-171-12 Sequence 12, Appl
35	623	96.8	114	4	US-10-113-996-12 Sequence 12, Appl
36	623	96.8	114	5	US-10-791-619-12 Sequence 12, Appl
37	623	96.8	114	5	US-10-698-073-5 Sequence 5, Appl
38	623	96.8	114	5	US-10-923-327-5 Sequence 5, Appl
39	623	96.8	121	6	US-11-208-422-48 Sequence 48, Appl
40	623	96.8	121	6	US-10-920-171-20 Sequence 20, Appl
41	623	96.8	229	3	US-09-920-171-20 Sequence 20, Appl
42	623	96.8	229	4	US-10-113-996-20 Sequence 20, Appl
43	623	96.8	229	5	US-10-791-619-20 Sequence 20, Appl
44	623	96.8	229	5	US-10-698-073-13 Sequence 13, Appl
45	623	96.8	229	5	US-10-923-327-13 Sequence 13, Appl

ALIGNMENTS

```
RESULT 1
US-09-920-171-11
; Sequence 11, Application US/09920171
; Patent No. US20020054878A1
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Jarden, Paula M.
; APPLICANT: Presta, Leonard G.
; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
; FILE REFERENCE: P1123C2US
; CURRENT APPLICATION NUMBER: US/09/920,171
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 11
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-920-171-11
Query Match 100.0%; Score 623; DB 3; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.5e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EVQVBSGGGLVQPGGSLRLCAVSGYSTSGSNMWRQAPGKGLVAVASIKYSETKY 60
Db 1 EVQVBSGGGLVQPGGSLRLCAVSGYSTSGSNMWRQAPGKGLVAVASIKYSETKY 60
QY 61 NPSVGRITISDSDSKNTFYLMNSLRADTAIVVYCARGSHYFGHMFVAVWGOG 114
Db 61 NPSVGRITISDSDSKNTFYLMNSLRADTAIVVYCARGSHYFGHMFVAVWGOG 114
RESULT 2
US-10-113-996-11
; Sequence 11, Application US/10113996
; Publication No. US20030149244A1
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jarden, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies
; FILE REFERENCE: P1123C3US
```

;; CURRENT APPLICATION NUMBER: US/10/113,996
;; CURRENT FILING DATE: 2002-04-01
;; PRIOR APPLICATION NUMBER: US 08/887,352
;; PRIOR FILING DATE: 1997-07-02
;; PRIOR APPLICATION NUMBER: US 09/296,005
;; PRIOR FILING DATE: 1999-04-21
;; PRIOR APPLICATION NUMBER: US 09/920,171
;; PRIOR FILING DATE: 2001-08-01
;; NUMBER OF SEQ ID NOS: 44
;; SEQ ID NO 11
;; LENGTH: 114
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-10-113-996-11

Query Match 100.0%; Score 623; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.5e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
DB 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
QY 61 NPSVKRITISRDDSNTFTYLNMSLRADTAIVYICARSGSHYFGHMFPAVMGOG 114
DB 61 NPSVKRITISRDDSNTFTYLNMSLRADTAIVYICARSGSHYFGHMFPAVMGOG 114

RESULT 3
US-10-791-619-11
;; Sequence 11, Application US/10791619
;; Publication No. US20040259077A1
;; GENERAL INFORMATION:
;; APPLICANT: Henry B. Loman, Leonard G. Presta, Paula M. Jardieu, John Lowe
;; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
;; FILE REFERENCE: P1123R1
;; CURRENT APPLICATION NUMBER: US/10/791,619
;; CURRENT FILING DATE: 2004-03-02
;; PRIOR APPLICATION NUMBER: US/09/109,207
;; PRIOR FILING DATE: 1998-06-30
;; PRIOR APPLICATION NUMBER: US 60/051,554
;; PRIOR FILING DATE: 1997-07-03
;; NUMBER OF SEQ ID NOS: 44
;; SEQ ID NO 11
;; LENGTH: 114
;; TYPE: PRT
;; ORGANISM: Artificial
;; FEATURE:
;; NAME/KEY: Artificial
;; LOCATION: 1-114
;; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-10-791-619-11

Query Match 100.0%; Score 623; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.5e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
DB 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
QY 61 NPSVKRITISRDDSNTFTYLNMSLRADTAIVYICARSGSHYFGHMFPAVMGOG 114
DB 61 NPSVKRITISRDDSNTFTYLNMSLRADTAIVYICARSGSHYFGHMFPAVMGOG 114

RESULT 4
US-10-698-073-4
;; Sequence 4, Application US/10698073
;; Publication No. US20050026881A1
;; GENERAL INFORMATION:

;; APPLICANT: ROBINSON, CYNTHIA B.
;; TITLE OF INVENTION: COMBINATION OF DEHYDROEPIANDROSTERONE OR
;; TITLE OF INVENTION: DEHYDROEPIANDROSTERONE-SULFATE WITH AN ANTI-IGE
;; TITLE OF INVENTION: ANTIBODY FOR TREATMENT OF ASTHMA OR CHRONIC OBSTRUCTIVE
;; TITLE OF INVENTION: PULMONARY DISEASE
;; FILE REFERENCE: 30775-723,201
;; CURRENT APPLICATION NUMBER: US/10/698,073
;; CURRENT FILING DATE: 2003-10-26
;; PRIOR APPLICATION NUMBER: 60/492,231
;; PRIOR FILING DATE: 2003-07-31
;; NUMBER OF SEQ ID NOS: 19
;; SOFTWARE: PatentIn Ver. 3.2
;; SEQ ID NO 4
;; LENGTH: 114
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
;; OTHER INFORMATION: Humanized Monoclonal Antibody
US-10-698-073-4

Query Match 100.0%; Score 623; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.5e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
DB 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
QY 61 NPSVKRITISRDDSNTFTYLNMSLRADTAIVYICARSGSHYFGHMFPAVMGOG 114
DB 61 NPSVKRITISRDDSNTFTYLNMSLRADTAIVYICARSGSHYFGHMFPAVMGOG 114

RESULT 5
US-10-923-327-4
;; Sequence 4, Application US/10923327
;; Publication No. US20050261208A1
;; GENERAL INFORMATION:
;; APPLICANT: ROBINSON, CYNTHIA B.
;; TITLE OF INVENTION: COMBINATION OF DEHYDROEPIANDROSTERONE OR
;; TITLE OF INVENTION: DEHYDROEPIANDROSTERONE-SULFATE WITH AN ANTI-IGE
;; TITLE OF INVENTION: ANTIBODY FOR TREATMENT OF ASTHMA OR CHRONIC OBSTRUCTIVE
;; TITLE OF INVENTION: PULMONARY DISEASE
;; FILE REFERENCE: 30775-723,501
;; CURRENT APPLICATION NUMBER: US/10/923,327
;; CURRENT FILING DATE: 2004-08-20
;; PRIOR APPLICATION NUMBER: PCT/US04/25054
;; PRIOR FILING DATE: 2004-07-30
;; PRIOR APPLICATION NUMBER: 10/698,073
;; PRIOR FILING DATE: 2003-10-29
;; PRIOR APPLICATION NUMBER: 60/492,231
;; PRIOR FILING DATE: 2003-07-31
;; NUMBER OF SEQ ID NOS: 19
;; SOFTWARE: PatentIn Ver. 3.3
;; SEQ ID NO 4
;; LENGTH: 114
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
;; OTHER INFORMATION: construct
US-10-923-327-4

Query Match 100.0%; Score 623; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 2.5e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60
DB 1 EVOLVESGGGLVOPGSLRLSCAIVSGYSITSGYSMMWIRQAPGKLEWVASIKYSGETKY 60

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 21:20:48 ; Search time 10.3333 Seconds

(without alignments)
296.018 Million cell updates/sec

Title: US-10-791-619-11

Perfect score: 623
Sequence: 1 EVQLVDSGGGLVQPGGSLRL.....YCARSGHYGHMHPAVWGCG 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 112942 seqs, 26832045 residues

Total number of hits satisfying chosen parameters: 112942

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA.New:*
1: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US09_NEW_PUB pep.*
2: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US06_NEW_PUB pep.*
3: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US07_NEW_PUB pep.*
4: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US08_NEW_PUB pep.*
5: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/PCT_NEW_PUB pep.*
6: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US10_NEW_PUB pep.*
7: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US11_NEW_PUB pep.*
8: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	623	100.0	451	US-11-254-182-43	Sequence 43, Appl
2	603	96.8	451	US-11-254-182-41	Sequence 41, Appl
3	603	96.8	451	US-11-254-182-42	Sequence 42, Appl
4	457	73.4	121	US-11-061-841-21	Sequence 21, Appl
5	440	70.6	447	US-11-219-121-32	Sequence 32, Appl
6	437	68.5	451	US-11-238-281-31	Sequence 31, Appl
7	436	68.4	117	US-11-219-121-26	Sequence 26, Appl
8	426	68.1	447	US-11-219-121-30	Sequence 30, Appl
9	424.5	68.1	122	US-11-254-182-29	Sequence 29, Appl
10	424.5	68.1	122	US-11-254-182-74	Sequence 74, Appl
11	424.5	68.1	122	US-11-106-762-2	Sequence 2, Appl
12	424.5	68.1	122	US-11-106-762-12	Sequence 12, Appl
13	424.5	68.1	122	US-11-238-281-8	Sequence 8, Appl
14	424.5	68.1	122	US-11-238-281-40	Sequence 40, Appl
15	424.5	68.1	122	US-11-256-060-4	Sequence 4, Appl
16	424.5	68.1	122	US-11-291-698A-48	Sequence 48, Appl
17	424.5	68.1	451	US-11-254-182-71	Sequence 71, Appl
18	424.5	68.1	451	US-11-254-182-72	Sequence 72, Appl
19	424.5	68.1	451	US-11-238-281-41	Sequence 41, Appl
20	424.5	68.1	451	US-11-238-281-42	Sequence 42, Appl
21	424.5	68.1	451	US-11-238-281-43	Sequence 43, Appl
22	424.5	68.1	452	US-11-254-182-65	Sequence 65, Appl
23	424.5	68.1	452	US-11-254-182-66	Sequence 66, Appl
24	424.5	68.1	452	US-11-106-762-4	Sequence 4, Appl
25	424.5	68.1	452	US-11-106-762-5	Sequence 5, Appl

26	424.5	68.1	452	US-11-106-762-26	Sequence 26, Appl
27	424.5	68.1	452	US-11-106-762-28	Sequence 28, Appl
28	424.5	68.1	452	US-11-106-762-39	Sequence 39, Appl
29	424.5	68.1	452	US-11-238-281-14	Sequence 14, Appl
30	424.5	68.1	452	US-11-238-281-15	Sequence 15, Appl
31	424.5	68.1	471	US-11-106-762-25	Sequence 25, Appl
32	424.5	68.1	471	US-11-106-762-27	Sequence 27, Appl
33	424.5	68.1	471	US-11-291-698A-57	Sequence 57, Appl
34	424.5	68.1	471	US-11-291-698A-58	Sequence 58, Appl
35	423	67.9	123	US-11-254-182-34	Sequence 34, Appl
36	421.5	67.7	123	US-11-238-281-33	Sequence 33, Appl
37	421.5	67.7	451	US-11-238-281-34	Sequence 34, Appl
38	421.5	67.7	452	US-11-106-762-34	Sequence 34, Appl
39	421.5	67.7	452	US-11-106-762-36	Sequence 36, Appl
40	421.5	67.7	452	US-11-238-281-29	Sequence 29, Appl
41	417	66.9	114	US-11-023-959A-153	Sequence 153, App
42	416.5	66.9	124	US-11-211-917-106	Sequence 106, App
43	416	66.8	123	US-11-211-917-117	Sequence 117, App
44	415	66.6	123	US-11-211-917-116	Sequence 116, App
45	415	66.6	125	US-11-211-917-107	Sequence 107, App

ALIGNMENTS

RESULT 1
US-11-254-182-43
; Sequence 43, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 43
; LENGTH: 451
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-43

Query Match 100.0%; Score 623; DB 7; Length 451;
Best Local Similarity 100.0%; Pred. No. 4.7e-50;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVQLVDSGGGLVQPGGSLRLCAVSGYSTSGSNMWRIOAGKGLGWASTIKYSETKY 60
DB 1 EVQLVDSGGGLVQPGGSLRLCAVSGYSTSGSNMWRIOAGKGLGWASTIKYSETKY 60
QY 61 NPSVKRITITSRDSDSKNTFYLMNLSLRADTAIVYVCARSGSHYFGHMFPAWGCG 114
DB 61 NPSVKRITITSRDSDSKNTFYLMNLSLRADTAIVYVCARSGSHYFGHMFPAWGCG 114

RESULT 2
US-11-254-182-41
; Sequence 41, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1

;; CURRENT APPLICATION NUMBER: US/11/254,182
;; CURRENT FILING DATE: 2005-10-19
;; PRIOR APPLICATION NUMBER: US 60/620,413
;; PRIOR FILING DATE: 2004-10-20
;; NUMBER OF SEQ ID NOS: 74
;; SEQ ID NO 41
;; LENGTH: 451
;; TYPE: PRT
;; ORGANISM: Artificial sequence
;; FEATURE:
;; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-41

Query Match 96.8%; Score 603; DB 7; Length 451;
Best Local Similarity 96.5%; Pred. No. 3.2e-48;
Matches 110; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITDSTNY 60

Qy 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCARGSHYFGHMFPAVMGQG 114
Db 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCARGSHYFGHMFPAVMGQG 114

RESULT 3
US-11-254-182-42
; Sequence 42, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GMEI, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 42
; LENGTH: 451
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-182-42

Query Match 96.8%; Score 603; DB 7; Length 451;
Best Local Similarity 96.5%; Pred. No. 3.2e-48;
Matches 110; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITDSTNY 60

Qy 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCARGSHYFGHMFPAVMGQG 114
Db 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCARGSHYFGHMFPAVMGQG 114

RESULT 4
US-11-061-841-21
; Sequence 21, Application US/11061841
; Publication No. US20060122377A1
; GENERAL INFORMATION:
; APPLICANT: DENNIS, MARK S.
; TITLE OF INVENTION: CDR-REPAIRED ANTIBODIES
; FILE REFERENCE: P2070R1
; CURRENT APPLICATION NUMBER: US/11/061,841
; CURRENT FILING DATE: 2005-02-18

;; PRIOR APPLICATION NUMBER: US 60/545,840
;; PRIOR FILING DATE: 2004-02-19
;; NUMBER OF SEQ ID NOS: 441
;; SEQ ID NO 21
;; LENGTH: 121
;; TYPE: PRT
;; ORGANISM: Artificial sequence
;; FEATURE:
;; OTHER INFORMATION: Sequence is synthesized.
US-11-061-841-21

Query Match 73.4%; Score 457; DB 7; Length 121;
Best Local Similarity 69.3%; Pred. No. 2e-35;
Matches 79; Conservative 15; Mismatches 20; Indels 0; Gaps 0;

Qy 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 DVLQESGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQPGNKLEWVGSIYDGSNNY 60

Qy 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCARGSHYFGHMFPAVMGQG 114
Db 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCARGSHYFGHMFPAVMGQG 114

RESULT 5
US-11-219-121-32
; Sequence 32, Application US/11219121
; Publication No. US20060093601A1
; GENERAL INFORMATION:
; APPLICANT: FONG, Sherman
; APPLICANT: DENNIS, Mark S.
; TITLE OF INVENTION: HUMANIZED ANTI-BETA7 ANTAGONISTS AND USES THEREFOR
; FILE REFERENCE: P2159R1
; CURRENT APPLICATION NUMBER: US/11/219,121
; CURRENT FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: US 60/607,377
; PRIOR FILING DATE: 2004-09-03
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 32
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-219-121-32

Query Match 70.6%; Score 440; DB 7; Length 447;
Best Local Similarity 76.5%; Pred. No. 2.7e-33;
Matches 88; Conservative 6; Mismatches 15; Indels 6; Gaps 4;

Qy 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASIKYSGETKY 60
Db 1 EVQLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITDSTNY 59

Qy 61 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCA-RGSHYFGHMFPAVMGQG 114
Db 60 NPSVKGRITISRDDSNTFTYLOMNSLRADTAVYYCAVMGSS--GYFDE--WGQG 110

RESULT 6
US-11-238-281-31
; Sequence 31, Application US/11238281
; Publication No. US20060110387A1
; GENERAL INFORMATION:
; APPLICANT: Brunetta, Paul G.
; TITLE OF INVENTION: METHOD FOR TREATING VASCULITIS
; FILE REFERENCE: P2177R1
; CURRENT APPLICATION NUMBER: US/11/238,281
; CURRENT FILING DATE: 2005-09-28
; PRIOR APPLICATION NUMBER: US 60/616,104
; PRIOR FILING DATE: 2004-10-05
; NUMBER OF SEQ ID NOS: 43
; SEQ ID NO 31

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 20:59:42 ; Search time 22.6667 Seconds
(without alignments)
440.228 Million cell updates/sec

Title: US-10-791-619-12

Perfect score: 625
Sequence: 1 EVQLVDSGGGLVQPGGSLRL.....YCARGSHYGHMFAVMGCG 114

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 650591 seqs, 87530628 residues

Total number of hits satisfying chosen parameters: 650591

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /EMC Celerra_SIDS3/ptodata/2/1aa/5/COMB.pep:*
2: /EMC Celerra_SIDS3/ptodata/2/1aa/6/COMB.pep:*
3: /EMC Celerra_SIDS3/ptodata/2/1aa/7/COMB.pep:*
4: /EMC Celerra_SIDS3/ptodata/2/1aa/H/COMB.pep:*
5: /EMC Celerra_SIDS3/ptodata/2/1aa/PCYTUS/COMB.pep:*
6: /EMC Celerra_SIDS3/ptodata/2/1aa/RE/COMB.pep:*
7: /EMC Celerra_SIDS3/ptodata/2/1aa/backfilltest1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	625	100.0	114	1	US-08-887-352B-12 Sequence 12, Appl
2	625	100.0	114	2	US-09-109-207C-12 Sequence 12, Appl
3	625	100.0	114	2	US-09-296-005-12 Sequence 12, Appl
4	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
5	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
6	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
7	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
8	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
9	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
10	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
11	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
12	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
13	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
14	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
15	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
16	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
17	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
18	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
19	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
20	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
21	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
22	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
23	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
24	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
25	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl
26	625	100.0	114	2	US-09-920-171-12 Sequence 12, Appl

27	625	100.0	451	2	US-08-466-151-65 Sequence 65, Appl
28	625	100.0	451	2	US-09-109-207C-14 Sequence 14, Appl
29	625	100.0	451	2	US-09-109-207C-16 Sequence 16, Appl
30	625	100.0	451	2	US-09-296-005-14 Sequence 14, Appl
31	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
32	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
33	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
34	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
35	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
36	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
37	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
38	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
39	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
40	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
41	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
42	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
43	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
44	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl
45	625	100.0	451	2	US-09-296-005-16 Sequence 16, Appl

ALIGNMENTS

RESULT 1
US-08-887-352B-12
Sequence 12, Application US/08887352B
Patent No. 5994511
GENERAL INFORMATION:
APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jaxdieu, John Lowe
TITLE OF INVENTION: Improved Anti-TgE Antibodies and Method of
NUMBER OF INVENTIONS: 26
CORRESPONDENCE ADDRESSES:
ADDRESS: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/887,352B
FILING DATE: 03-Jul-1997
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Svoboda, Craig G.
REGISTRATION NUMBER: 39, 044
REFERENCE/DOCKET NUMBER: P1123
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1489
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 114 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
US-08-887-352B-12
Query Match 100.0%; Score 625; DB 1; Length 114;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 EVQLVDSGGGLVQPGGSLRLSCAASGYSITTSQYSNWLRQAPGKLEWVASTTYGSTNY 60
DB 1 EVQLVDSGGGLVQPGGSLRLSCAASGYSITTSQYSNWLRQAPGKLEWVASTTYGSTNY 60
QY 61 NPSVGRITISRDSDSKNTFVYLQMNSLRAEDPAVYVYCARGSHYFGHMFAVMGCG 114

Db 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114

RESULT 2
US-09-109-207C-12

; Sequence 12, Application US/09109207C
; Patent No. 6172213
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptide
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/109,207C
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-109-207C-12

Query Match 100.0%; Score 625; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Qy 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114
Db 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114

RESULT 3
US-09-296-005-12

; Sequence 12, Application US/09296005
; Patent No. 6290957
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123C1r
; CURRENT APPLICATION NUMBER: US/09/296,005
; PRIOR FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 26
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-296-005-12

Query Match 100.0%; Score 625; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Qy 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114
Db 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114

RESULT 4
US-09-920-171-12

; Sequence 12, Application US/09920171
; Patent No. 6682735
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardiou, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
; FILE REFERENCE: P1123C2US
; CURRENT APPLICATION NUMBER: US/09/920,171
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-920-171-12

Query Match 100.0%; Score 625; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Qy 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114
Db 61 NPSVKGRITISRDDSKNTFTYLOMNSLRABDTAVYYCARSGSHYFGHMFPAVMGQ 114

RESULT 5
US-09-716-028-12

; Sequence 12, Application US/09716028
; Patent No. 6723833
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardiou, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/09/716,028
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: US 09/109,207
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-716-028-12

Query Match 100.0%; Score 625; DB 2; Length 114;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITVDSTNY 60

GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using SW model

Run on: July 7, 2006, 21:20:13 ; Search time 105.333 Seconds

(without alignments)
501.327 Million cell updates/sec

Title: US-10-791-619-12

Perfect score: 625
Sequence: 1 EVOLVESGGGLVQPGSLRL.....YCARSGHYFGHMFVAVMGOG 114Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 2097797 seqs, 463214858 residues

Total number of hits satisfying chosen parameters: 2097797

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.Main:*

- 1: /EMC_Celerra_SIDS3/Ptodata/2/pubpaa/US07_PUBCOMB.pep:*
- 2: /EMC_Celerra_SIDS3/Ptodata/2/pubpaa/US08_PUBCOMB.pep:*
- 3: /EMC_Celerra_SIDS3/Ptodata/2/pubpaa/US09_PUBCOMB.pep:*
- 4: /EMC_Celerra_SIDS3/Ptodata/2/pubpaa/US10_PUBCOMB.pep:*
- 5: /EMC_Celerra_SIDS3/Ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
- 6: /EMC_Celerra_SIDS3/Ptodata/2/pubpaa/US11_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	625	100.0	114	3	US-09-920-171-12 Sequence 12, Appl
2	625	100.0	114	4	US-10-113-996-12 Sequence 12, Appl
3	625	100.0	114	5	US-10-791-619-12 Sequence 12, Appl
4	625	100.0	114	5	US-10-698-073-5 Sequence 5, Appl
5	625	100.0	114	5	US-10-923-327-13 Sequence 5, Appl
6	625	100.0	121	6	US-11-208-422-48 Sequence 48, Appl
7	625	100.0	121	6	US-11-208-422-50 Sequence 50, Appl
8	625	100.0	229	3	US-09-920-171-20 Sequence 20, Appl
9	625	100.0	229	4	US-10-113-996-20 Sequence 20, Appl
10	625	100.0	229	5	US-10-791-619-20 Sequence 20, Appl
11	625	100.0	229	5	US-10-698-073-13 Sequence 13, Appl
12	625	100.0	229	5	US-10-923-327-13 Sequence 13, Appl
13	625	100.0	233	4	US-10-113-996-25 Sequence 25, Appl
14	625	100.0	233	4	US-10-113-996-25 Sequence 25, Appl
15	625	100.0	233	5	US-10-791-619-25 Sequence 25, Appl
16	625	100.0	233	5	US-10-698-073-18 Sequence 18, Appl
17	625	100.0	233	5	US-10-923-327-18 Sequence 18, Appl
18	625	100.0	248	3	US-09-920-171-22 Sequence 22, Appl
19	625	100.0	248	4	US-10-113-996-22 Sequence 22, Appl
20	625	100.0	248	5	US-10-791-619-22 Sequence 22, Appl
21	625	100.0	248	5	US-10-698-073-15 Sequence 15, Appl
22	625	100.0	451	3	US-09-920-171-14 Sequence 14, Appl
23	625	100.0	451	3	US-09-920-171-16 Sequence 16, Appl
24	625	100.0	451	3	US-09-925-179-65 Sequence 65, Appl
25	625	100.0	451	4	US-10-113-996-14 Sequence 14, Appl
26	625	100.0	451	4	US-10-113-996-16 Sequence 16, Appl
27	625	100.0	451	4	US-10-813-483-4 Sequence 4, Appl

28	625	100.0	451	4	US-10-813-483-5	Sequence 5, Appl
29	625	100.0	451	5	US-10-791-619-14	Sequence 14, Appl
30	625	100.0	451	5	US-10-791-619-16	Sequence 16, Appl
31	625	100.0	451	5	US-10-714-000-2	Sequence 2, Appl
32	625	100.0	451	5	US-10-698-073-7	Sequence 7, Appl
33	625	100.0	451	5	US-10-698-073-9	Sequence 9, Appl
34	625	100.0	451	5	US-10-698-237-65	Sequence 65, Appl
35	625	100.0	451	5	US-10-823-327-7	Sequence 7, Appl
36	625	100.0	451	5	US-10-923-327-9	Sequence 9, Appl
37	625	100.0	451	6	US-11-013-966-4	Sequence 4, Appl
38	625	100.0	451	6	US-11-013-966-5	Sequence 5, Appl
39	625	100.0	451	6	US-11-208-422-20	Sequence 20, Appl
40	625	100.0	451	6	US-11-208-422-21	Sequence 21, Appl
41	625	100.0	669	5	US-10-764-428-21	Sequence 21, Appl
42	622	99.5	451	3	US-09-925-179-66	Sequence 66, Appl
43	622	99.5	451	3	US-10-968-237-66	Sequence 66, Appl
44	610	97.6	248	5	US-10-923-327-15	Sequence 15, Appl
45	605	96.8	121	3	US-09-920-171-3	Sequence 3, Appl

ALIGNMENTS

```
RESULT 1
US-09-920-171-12
; Sequence 12, Application US/09920171
; Patent No. US20020054878A1
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies (as amended)
; FILE REFERENCE: P1123C2US
; CURRENT APPLICATION NUMBER: US/09/920,171
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain sequence derived from MAE11
US-09-920-171-12

Query Match      100.0%; Score 625; DB 3; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.9e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EVOLVESGGGLVQPGSLRLCAVSGYSTSGYSNMWIRQARGKLEWASTYGSNTY 60
Db      1 EVOLVESGGGLVQPGSLRLCAVSGYSTSGYSNMWIRQARGKLEWASTYGSNTY 60
QY      61 NPSVKGRIITSHDSDKNFTFLQMSILRAEDTAVVYICARSGHYFGHMFVAVMGOG 114
Db      61 NPSVKGRIITSHDSDKNFTFLQMSILRAEDTAVVYICARSGHYFGHMFVAVMGOG 114
Db      61 NPSVKGRIITSHDSDKNFTFLQMSILRAEDTAVVYICARSGHYFGHMFVAVMGOG 114

RESULT 2
US-10-113-996-12
; Sequence 12, Application US/10113996
; Publication No. US20030149244A1
; GENERAL INFORMATION:
; APPLICANT: Lowman, Henry B.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Jardieu, Paula M.
; APPLICANT: Lowe, John
; TITLE OF INVENTION: Improved Anti-IgE Antibodies
; FILE REFERENCE: P1123C3US
```

```

; CURRENT APPLICATION NUMBER: US/10/113,996
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: US 08/887,352
; PRIOR FILING DATE: 1997-07-02
; PRIOR APPLICATION NUMBER: US 09/296,005
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: US 09/920,171
; PRIOR FILING DATE: 2001-08-01
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Heavy chain sequence derived from MAb11
US-10-113-996-12

Query Match          100.0%; Score 625; DB 4; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.9e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
DB 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
QY 61 NPSVKGRITISRDDSKNTFLQMSLRADPTAVYYCARGSHYFGHMFPAWVGQ 114
DB 61 NPSVKGRITISRDDSKNTFLQMSLRADPTAVYYCARGSHYFGHMFPAWVGQ 114

RESULT 3
US-10-791-619-12
; Sequence 12, Application US/10791619
; Publication No. US20040259077A1
; GENERAL INFORMATION:
; APPLICANT: Henry B. Lowman, Leonard G. Presta, Paula M. Jardieu, John Lowe
; TITLE OF INVENTION: Improved Anti-IgE Antibodies and Method of Improving Polypeptides
; FILE REFERENCE: P1123R1
; CURRENT APPLICATION NUMBER: US/10/791,619
; CURRENT FILING DATE: 2004-03-02
; PRIOR APPLICATION NUMBER: US/09/109,207
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/051,554
; PRIOR FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 44
; SEQ ID NO 12
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; NAME/KEY: Artificial
; LOCATION: 1-114
; OTHER INFORMATION: Heavy chain sequence derived from MAb11
US-10-791-619-12

Query Match          100.0%; Score 625; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.9e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
DB 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
QY 61 NPSVKGRITISRDDSKNTFLQMSLRADPTAVYYCARGSHYFGHMFPAWVGQ 114
DB 61 NPSVKGRITISRDDSKNTFLQMSLRADPTAVYYCARGSHYFGHMFPAWVGQ 114

RESULT 4
US-10-698-073-5
; Sequence 5, Application US/10698073
; Publication No. US20050026881A1
; GENERAL INFORMATION:
```

```

; APPLICANT: ROBINSON, CYNTHIA B.
; TITLE OF INVENTION: COMBINATION OF DEHYDROEPIANDROSTERONE OR
; TITLE OF INVENTION: DEHYDROEPIANDROSTERONE-SULFATE WITH AN ANTI-IGE
; TITLE OF INVENTION: ANTIBODY FOR TREATMENT OF ASTHMA OR CHRONIC OBSTRUCTIVE
; TITLE OF INVENTION: PULMONARY DISEASE
; FILE REFERENCE: 30775-723,201
; CURRENT APPLICATION NUMBER: US/10/698,073
; CURRENT FILING DATE: 2003-10-26
; PRIOR APPLICATION NUMBER: 60/492,231
; PRIOR FILING DATE: 2003-07-31
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 5
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Recombinant
; OTHER INFORMATION: Humanized Monoclonal Antibody
US-10-698-073-5

Query Match          100.0%; Score 625; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.9e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
DB 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
QY 61 NPSVKGRITISRDDSKNTFLQMSLRADPTAVYYCARGSHYFGHMFPAWVGQ 114
DB 61 NPSVKGRITISRDDSKNTFLQMSLRADPTAVYYCARGSHYFGHMFPAWVGQ 114

RESULT 5
US-10-923-327-5
; Sequence 5, Application US/10923327
; Publication No. US20050261208A1
; GENERAL INFORMATION:
; APPLICANT: ROBINSON, CYNTHIA B.
; TITLE OF INVENTION: COMBINATION OF DEHYDROEPIANDROSTERONE OR
; TITLE OF INVENTION: DEHYDROEPIANDROSTERONE-SULFATE WITH AN ANTI-IGE
; TITLE OF INVENTION: ANTIBODY FOR TREATMENT OF ASTHMA OR CHRONIC OBSTRUCTIVE
; TITLE OF INVENTION: PULMONARY DISEASE
; FILE REFERENCE: 30775-723,501
; CURRENT APPLICATION NUMBER: US/10/923,327
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: PCT/US04/25054
; PRIOR FILING DATE: 2004-07-30
; PRIOR APPLICATION NUMBER: 10/698,073
; PRIOR FILING DATE: 2003-10-29
; PRIOR APPLICATION NUMBER: 60/492,231
; PRIOR FILING DATE: 2003-07-31
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 5
; LENGTH: 114
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: construct
US-10-923-327-5

Query Match          100.0%; Score 625; DB 5; Length 114;
Best Local Similarity 100.0%; Pred. No. 5.9e-51;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
DB 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITTDGSTNY 60
```


GenCore version 5.1.9
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: July 7, 2006, 21:20:48 ; Search time 10.3333 Seconds

(without alignments)
296.018 Million cell updates/sec

Title: US-10-791-619-12

Perfect score: 625
Sequence: 1 EVQLVESGGGLVQPGSLRL.....YCARSGHYFGHWFPAWVGOG 114

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 112942 seqs, 26832045 residues

Total number of hits satisfying chosen parameters: 112942

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Published Applications AA.New.*

- 1: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US09_NEW_PUB pep.*
- 2: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US06_NEW_PUB pep.*
- 3: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US07_NEW_PUB pep.*
- 4: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US08_NEW_PUB pep.*
- 5: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/PCT_NEW_PUB pep.*
- 6: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US10_NEW_PUB pep.*
- 7: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US11_NEW_PUB pep.*
- 8: /EMC_Celerra_SIDS3/ptodata/1/pubpaa/US60_NEW_PUB pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	625	100.0	451	7	US-11-254-182-41 Sequence 41, Appl
2	625	100.0	451	7	US-11-254-182-42 Sequence 42, Appl
3	603	96.5	451	7	US-11-254-182-43 Sequence 43, Appl
4	479	76.6	121	7	US-11-061-841-21 Sequence 21, Appl
5	442	70.7	447	7	US-11-219-121-32 Sequence 32, Appl
6	430	68.8	451	7	US-11-238-281-31 Sequence 31, Appl
7	428	68.5	117	7	US-11-219-121-26 Sequence 26, Appl
8	428	68.5	447	7	US-11-219-121-30 Sequence 30, Appl
9	427.5	68.4	122	7	US-11-254-182-74 Sequence 74, Appl
10	427.5	68.4	122	7	US-11-238-281-40 Sequence 40, Appl
11	427.5	68.4	451	7	US-11-254-182-72 Sequence 72, Appl
12	427.5	68.4	451	7	US-11-238-281-43 Sequence 43, Appl
13	427.5	68.4	451	7	US-11-238-281-41 Sequence 41, Appl
14	427.5	68.4	452	7	US-11-254-182-66 Sequence 66, Appl
15	427.5	68.4	452	7	US-11-106-762-39 Sequence 39, Appl
16	424.5	67.9	123	7	US-11-238-281-33 Sequence 33, Appl
17	424.5	67.9	451	7	US-11-238-281-34 Sequence 34, Appl
18	424.5	67.9	452	7	US-11-106-762-34 Sequence 34, Appl
19	424.5	67.9	452	7	US-11-106-762-36 Sequence 36, Appl
20	424.5	67.9	452	7	US-11-238-281-29 Sequence 29, Appl
21	423.5	67.8	122	7	US-11-254-182-29 Sequence 29, Appl
22	423.5	67.8	122	7	US-11-106-762-2 Sequence 2, Appl
23	423.5	67.8	122	7	US-11-106-762-12 Sequence 12, Appl
24	423.5	67.8	122	7	US-11-238-281-8 Sequence 8, Appl
25	423.5	67.8	122	7	US-11-256-060-4 Sequence 4, Appl

26	423.5	67.8	122	7	US-11-291-698A-48 Sequence 48, Appl
27	423.5	67.8	451	7	US-11-254-182-71 Sequence 71, Appl
28	423.5	67.8	451	7	US-11-238-281-42 Sequence 42, Appl
29	423.5	67.8	452	7	US-11-254-182-65 Sequence 65, Appl
30	423.5	67.8	452	7	US-11-106-762-4 Sequence 4, Appl
31	423.5	67.8	452	7	US-11-106-762-5 Sequence 5, Appl
32	423.5	67.8	452	7	US-11-106-762-26 Sequence 26, Appl
33	423.5	67.8	452	7	US-11-106-762-28 Sequence 28, Appl
34	423.5	67.8	452	7	US-11-238-281-14 Sequence 14, Appl
35	423.5	67.8	452	7	US-11-238-281-15 Sequence 15, Appl
36	423.5	67.8	471	7	US-11-106-762-25 Sequence 25, Appl
37	423.5	67.8	471	7	US-11-106-762-27 Sequence 27, Appl
38	423.5	67.8	471	7	US-11-291-698A-57 Sequence 57, Appl
39	423.5	67.8	471	7	US-11-291-698A-58 Sequence 58, Appl
40	422.5	67.6	124	7	US-11-211-917-106 Sequence 106, App
41	422	67.5	123	7	US-11-254-182-34 Sequence 34, Appl
42	422	67.5	123	7	US-11-211-917-117 Sequence 117, App
43	421	67.4	123	7	US-11-211-917-116 Sequence 116, App
44	421	67.4	125	7	US-11-211-917-107 Sequence 107, App
45	420	67.2	123	6	US-10-546-594-64 Sequence 64, Appl

ALIGNMENTS

```
RESULT 1
US-11-254-182-41
; Sequence 41, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 41
; LENGTH: 451
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-41

Query Match      100.0%; Score 625; DB 7; Length 451;
Best Local Similarity 100.0%; Pred. No. 1.4e-50;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 EVQLVESGGGLVQPGSLRLCAVSGYSTGSGNMWIRQARKGLFWASTYDGSNTY 60
Db      1 EVQLVESGGGLVQPGSLRLCAVSGYSTGSGNMWIRQARKGLFWASTYDGSNTY 60
QY      61 NPSVGRITISRDSDKNTFYIOMNLSRAEDTAVVYVCARSGHYFGHWFPAWVGOG 114
Db      61 NPSVGRITISRDSDKNTFYIOMNLSRAEDTAVVYVCARSGHYFGHWFPAWVGOG 114

RESULT 2
US-11-254-182-42
; Sequence 42, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
```

;; CURRENT APPLICATION NUMBER: US/11/254,182
;; CURRENT FILING DATE: 2005-10-19
;; PRIOR APPLICATION NUMBER: US 60/620,413
;; PRIOR FILING DATE: 2004-10-20
;; NUMBER OF SEQ ID NOS: 74
;; SEQ ID NO 42
;; LENGTH: 451
;; TYPE: PRT
;; ORGANISM: Artificial sequence
;; FEATURE:
;; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-42

Query Match 100.0%; Score 625; DB 7; Length 451;
Best Local Similarity 100.0%; Pred. No. 1,4e-50;
Matches 114; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Qy 61 NPSVKGRTITSRDSDSKNTFTYLOMNSLRADTAVYYCARGSHYFGHWHFAVMGQG 114
|||
Db 61 NPSVKGRTITSRDSDSKNTFTYLOMNSLRADTAVYYCARGSHYFGHWHFAVMGQG 114
|||

RESULT 3
US-11-254-182-43
; Sequence 43, Application US/11254182
; Publication No. US20060088523A1
; GENERAL INFORMATION:
; APPLICANT: ANDYA, JAMES
; APPLICANT: GWEE, SHIANG C.
; APPLICANT: LIU, JUN
; APPLICANT: SHEN, YE
; TITLE OF INVENTION: ANTIBODY FORMULATIONS
; FILE REFERENCE: P2104R1
; CURRENT APPLICATION NUMBER: US/11/254,182
; CURRENT FILING DATE: 2005-10-19
; PRIOR APPLICATION NUMBER: US 60/620,413
; PRIOR FILING DATE: 2004-10-20
; NUMBER OF SEQ ID NOS: 74
; SEQ ID NO 43
; LENGTH: 451
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized.
US-11-254-182-43

Query Match 96.5%; Score 603; DB 7; Length 451;
Best Local Similarity 96.5%; Pred. No. 1.5e-48;
Matches 110; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Qy 61 NPSVKGRTITSRDSDSKNTFTYLOMNSLRADTAVYYCARGSHYFGHWHFAVMGQG 114
|||
Db 61 NPSVKGRTITSRDSDSKNTFTYLOMNSLRADTAVYYCARGSHYFGHWHFAVMGQG 114
|||

RESULT 4
US-11-061-841-21
; Sequence 21, Application US/11061841
; Publication No. US20060122377A1
; GENERAL INFORMATION:
; APPLICANT: DENNIS, MARK S.
; TITLE OF INVENTION: CDR-REPAIRED ANTIBODIES
; FILE REFERENCE: P2070R1
; CURRENT APPLICATION NUMBER: US/11/061,841
; CURRENT FILING DATE: 2005-02-18

;; PRIOR APPLICATION NUMBER: US 60/545,840
;; PRIOR FILING DATE: 2004-02-19
;; NUMBER OF SEQ ID NOS: 441
;; SEQ ID NO 21
;; LENGTH: 121
;; TYPE: PRT
;; ORGANISM: Artificial sequence
;; FEATURE:
;; OTHER INFORMATION: Sequence is synthesized.
US-11-061-841-21

Query Match 76.6%; Score 479; DB 7; Length 121;
Best Local Similarity 72.8%; Pred. No. 1e-37;
Matches 83; Conservative 15; Mismatches 16; Indels 0; Gaps 0;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Db 1 DVQLQESGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Qy 61 NPSVKGRTITSRDSDSKNTFTYLOMNSLRADTAVYYCARGSHYFGHWHFAVMGQG 114
|||
Db 61 NPSLKNRITSVTRDSDSKNTFTYLOMNSLRADTAVYYCARGSHYFGHWHFAVMGQG 114
|||

RESULT 5
US-11-219-121-32
; Sequence 32, Application US/11219121
; Publication No. US20060093601A1
; GENERAL INFORMATION:
; APPLICANT: Fong, Sherman
; APPLICANT: Dennis Mark S.
; TITLE OF INVENTION: HUMANIZED ANTI-BETA7 ANTAGONISTS AND USES THEREFOR
; FILE REFERENCE: P2159R1
; CURRENT APPLICATION NUMBER: US/11/219,121
; CURRENT FILING DATE: 2005-09-02
; PRIOR APPLICATION NUMBER: US 60/607,377
; PRIOR FILING DATE: 2004-09-03
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 32
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: sequence is synthesized
US-11-219-121-32

Query Match 70.7%; Score 442; DB 7; Length 447;
Best Local Similarity 76.5%; Pred. No. 1e-33;
Matches 88; Conservative 8; Mismatches 13; Indels 6; Gaps 4;

Qy 1 EVOLVESGGGLVQPGGSLRLSCAASGYSITSGYSNMWIRQAPGKGLEWVASITPDGSTNY 60
|||
Db 1 EVOLVESGGGLVQPGGSLRLSCAASGFTTNNY-MGWIRQAPGKGLEWVASITPDGSTNY 59
|||
Qy 61 NPSVKGRTITSRDSDSKNTFTYLOMNSLRADTAVYYCA-RGSHYFGHWHFAVMGQG 114
|||
Db 60 NPSLKSRTITSRDSDSKNTFTYLOMNSLRADTAVYYCAVTGSS--GYFDE--WGQG 110
|||

RESULT 6
US-11-238-281-31
; Sequence 31, Application US/11238281
; Publication No. US20060110387A1
; GENERAL INFORMATION:
; APPLICANT: Brunetta, Paul G.
; TITLE OF INVENTION: METHOD FOR TREATING VASCULITIS
; FILE REFERENCE: P2177R1
; CURRENT APPLICATION NUMBER: US/11/238,281
; CURRENT FILING DATE: 2005-09-28
; PRIOR APPLICATION NUMBER: US 60/616,104
; PRIOR FILING DATE: 2004-10-05
; NUMBER OF SEQ ID NOS: 43
; SEQ ID NO 31